

900 GeV pp

Underlying Event

Sum( $p_T$ ) Density (TRNS) ( $|\eta| < 2.5$ ,  $p_T > 0.5$  GeV) $\langle d^2 \text{sum } p_T / d\eta d\phi \rangle$  [GeV]

Ratio to ATLAS

0.5

0  
0.2  
0.4  
0.6  
0.8  
1

- ATLAS
- + Epos 1.99.crmc.1.3 lhc
- -□ Herwig 7.0.2 default
- ▲ Pythia 8.170 default
- ...◆ Sherpa 2.1.1 default

ATLAS\_2010\_S8894728

Rivet 3.1.0,  $\geq 6.9$ M events

mcplots.cern.ch [arXiv:1306.3436]

2

0.5

 $p_T$  (leading track) [GeV]